

Title (en)
Discharge tube

Title (de)
Entladungsröhre

Title (fr)
Tube à décharge

Publication
EP 0869529 B1 20030521 (EN)

Application
EP 98302525 A 19980330

Priority
• JP 9825997 A 19970331
• JP 36287797 A 19971212

Abstract (en)
[origin: EP0869529A2] A discharge tube in which the electrical insulating property between the discharge trigger wires (30) is not deteriorated by substance sputtered when discharge is conducted between upper (20a) and the lower (20b) discharge electrodes includes sub-discharge trigger wires (50) at the centre of an inner circumferential wall of the airtight cylinder (10). The sub-discharge trigger wires (50) are electrically insulated from the upper and the lower discharge electrodes (20a,20b). Discharge trigger wires (30a,30b) connected with the upper and lower discharge electrode (20a,20b) respectively are formed in the upper and the lower portions of the inner circumferential wall of the airtight cylinder (10) at which there is no possibility of adhesion of the sputtering substance (40) generated at the process of discharge. A distance between the discharge trigger wires (30a,30b) is electrically reduced via the sub-discharge trigger wires (50). An initial discharge is stably generated at an early stage between the end portions of the discharge trigger wires (30a,30b) and the end portions of the sub-discharge trigger wires (50) located close to the discharge trigger wires (30a,30b). <IMAGE>

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H01J 17/30; H01J 17/46

IPC 8 full level
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Cited by
EP1239562A3; EP1538654A3; EP1443539A3; EP1069589A3; EP1237243A3; EP1594199A3; EP1603207A3; EP1594199A2; US7218051B2; US7116049B2

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